OWNER'S GUIDE

Covers All 42xx and 43xx Series Remote Starter/Alarms

REMOTE STARTERS

CAR ALARMS

ULTRA START

Note: Some features may not be available on certain models.

ATTENTION

-The system must be placed into Service Mode before any service work is started on the vehicle. It is the sole responsibility of the vehicle owner to ensure that this is done. The manufacturer accepts no liability or responsibility for accidental starting of the vehicle.
- CARBON MONOXIDE - Never Start in an Enclosed Building (Garage, Carport etc...)
- The Hood Pin Safety Switch Must Always be Installed!
- Never Install Automatic Transmission Remote Starters into a Manual Transmission Vehicle!

Welcome

Congratulations on your purchase of an Ultra Start 2way remote vehicle starter with alarm Ultra Start remote vehicle starters will provide years of comfort and convenience. To utilize and understand this system to the fullest, please read this manual in detail.

Feature List

- Remote Keyless Entry.
- Engine Idle Mode.
- Starter Disable.
- Dual Car Operation.
- Safety Start Mode.
- Remote Service Mode.
- Park Light Diagnostics.
- Ignition Auto Locks.
- Panic Mode. (Personal Protection)
- Turbo Timer Mode.
- Anti-Grind Protection.
- User Extendable Runtime.
- System Override Protection.
- Dual Stage Shock Sensor.
- Up to 4 Different Transmitter Codes.
- Cold Start Mode With 4 Start intervals.

About Ultra Start

It is our continuing objective to design and manufacture the absolute best Remote Car Starters, Vehicle Security Systems, Keyless Entry Systems and Security Bypass units available in today's competitive market. This objective is met by utilizing installation professionals with decades of industry experience to assist in each step of the design process. This has allowed us to build products that are very installer and user friendly yet offer advanced and innovative features. Our systems utilize intelligent programming and auto learning systems and are designed to work properly in every vehicle. Our systems are also designed wherever possible to be easily enhanced, allowing the consumer and the retailer to enjoy easy and cost effective upgrades and additions to their system down the road. Our limited lifetime warranty provides one of the best protection plans in the industry, giving both the consumer and the retailer confidence when they invest in an Ultra Start product.

FCC Notice

This device complies with Part 15 of the FCC rules. Operation of this device is subject to the following conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.
CAUTION: Changes or modifications not expressly approved by the part responsible for compliance voids the users authority to operate this device.

Remote Start - Automatic Transmission Only

1.Press and release button #3.
2.The park lights will flash and the siren will chirp one time.
3.The vehicle will then remote start. The park lights will flash four times then remain on while the vehicle is running.
4. The vehicle will run for the programmed runtime, (normally 15 minutes.)
Never remote start if the vehicle is parked in a Garage or attached carport! Operate in a well ventilated area only.

Note: If the remote starter fails to start, the park lights will flash a Trouble Shooting Code. Count the number of flashes and refer to the Diagnostics Chart.

Extended Run Time

1.Press and release Button #3 while the vehicle is running under the remote starter. The park lights will flash and the horn (optional) will honk to confirm the runtime has been extended. The system will reset the runtime (normally 15 minutes).

Note: The Run timer is not updated with this feature.

Remote Stop

1.Press and hold button #3 for three seconds. The remote starter will shut down. The park lights will flash and the siren will chirp two times to confirm shutdown.

Note: Pressing the brake pedal or opening the hood will also shut down the remote starter.

Idle Mode

1.While the vehicle is running with key, press button #3.
2.The park lights will turn on and the siren will chirp once.
3.Turn the ignition key off and the vehicle will continue to run.
4. Exit the vehicle and leave it running safely without leaving the keys in the Ignition. Lock the door while the vehicle is left running.

Turbo Timer Mode

1.While the vehicle is running with key, press button #4.
2.The park lights will turn on and the siren will chirp once.
3.Turn the ignition key off and the vehicle will run for approximately 2 minutes.

Reservation Mode - Manual Transmission Vehicles

Manual transmission remote starters must be set into Reservation Mode before the remote starter will activate. There are two different ways to place the system into Reservation Mode. The activation type of Reservation Mode is determined when the system is installed. The default setting is Auto Reservation Mode.

Auto Reservation Mode

Step 1 - While the vehicle is running with the key, place the transmission into neutral and apply the park brake.
Step 2 - Press and release the brake pedal twice. The park lights will flash twice, the siren will chirp twice and the doors will unlock (optional).
Step 3 - Turn the ignition key off and the vehicle will continue running.
Step 4 - Exit the vehicle and close all the doors. The vehicle will then shut off *.

Manual Reservation Mode (Dealer Programmable Feature)

Step 1 - While the vehicle is running with the key, place the transmission into neutral and apply the park brake.
Step 2 - Press and release button #4. The park lights will flash twice, the siren will chirp twice and the doors will unlock (optional).
Step 3 - Turn the ignition key off and the vehicle will continue running.
Step 4 - Exit the vehicle and close all the doors.
Step 5 - Press and hold button #3 for 3 seconds, the vehicle will then shut off.

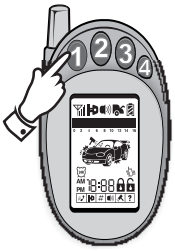
*******THE VEHICLE MAY NOW BE SAFELY REMOTE STARTED.*******
(See page 4 for Remote Starter Functions.)

If Reservation Mode is not set, the remote starter will not activate. When button #3 is pressed the park lights will flash 4 times. 4 flashes is the diagnostic code for "Not in Reservation Mode"

Note: *Reservation Mode will reset if the doors of the vehicle are opened. To re-enter the vehicle without canceling the Reservation Mode (forgot something..) The vehicle must first be remote started. While the vehicle is running the door may be opened, when done in the vehicle, close the door and hold button #3 until the remote starter shuts off.*

* *If the vehicle has dome light delay, the vehicle may stay running until the dome light turns off. This is normally no longer than 30 seconds.*

Alarm Features



Lock Doors and Arm Alarm

1.Press and release button #1 on the remote transmitter.
2.The park lights will flash and the siren will chirp one time.
3.The doors will lock.
4.The LEDs on the antenna will start flashing within five seconds.
Note: *If installed, the starter disable will activate.*
** To Lock without siren chirps, press buttons #1 and #2 at the same time.*

Unlock Doors and Disarm Alarm

1.Press and release button #1 on the remote transmitter.
2.The park lights will flash and the siren will chirp two times.
3.The doors will unlock.
4.The LEDs on the antenna will stop flashing.
Note: *If installed, the starter disable will deactivate.*
** To Lock without siren chirps, press buttons #1 and #2 at the same time.*

Trunk Release

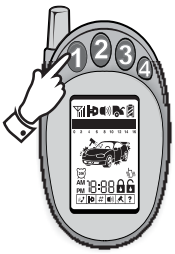
1. Press and hold button #2 (Optional to button #4*) and the doors will unlock, continue holding the unlock button, the trunk release will activate. The trunk release will be confirmed by one park light flash and one siren chirp.
Note: The trunk release output will not activate when the ignition key is in the On position.
*The trunk release output may be programmed to operate on button #4.

Car Finder Mode

1. Press and hold button #2 and #3 for 3 seconds.
2. The park lights will flash and the siren will chirp five times.
3. The remote will beep and display the systems current status.

Panic Mode

ACTIVATE PANIC MODE



1. Press and hold Button #1 for three seconds.
2. The park light will begin to flash and the siren will activate.

PANIC MODE DISABLE

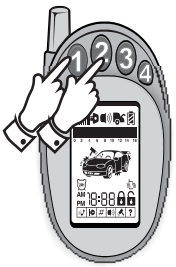
- Press and release Button #1 to disable Panic Mode and lock the doors.
- Press and release Button #2 to disable Panic Mode and unlock the doors.

Note :Panic Mode will stay activated until disable by the remote Transmitter.

Alarm Features

Shock Sensor Programming/ Adjustment

To Enter Shock Sensor Programming

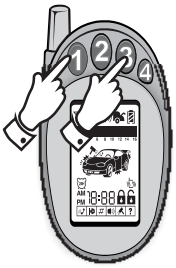


Press and hold buttons #1 and #2 for three seconds. The park lights will flash and the siren will chirp three times.

While the park lights are on strike the vehicle with the amount of force wanted to trigger the alarm*. Hit the vehicle with the same amount of force three time, the siren will chirp each time the system detects the Impact

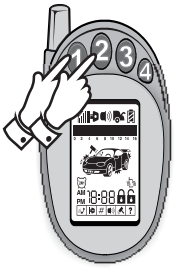
.

*Strike the vehicle with the palm of the hand, be careful not to impact the vehicle in a area that may cause damage. The most common location for testing and setting the shock sensor is the A-pillar. The A-Pillar is the metal support that runs from the roof of the vehicle to the hood area. Avoid hitting the windshield when programming the shock Sensor.



Temporary Shock Sensor Bypass

Press and release button #1 to arm the alarm then press and release button #3 within three seconds. The system will chirp once when the lock button is pressed and once when the start button is pressed. The shock sensor will be disabled until the system is disarmed and the rearmed again



Silent Arm and Disarm

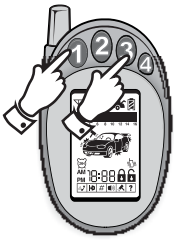
Press and release buttons #1 and #2 at the same time. If the doors were locked this will unlock the doors without chirping the siren.

Note: The park lights will flash as confirmation of lock/ unlocking.

Cold Start Mode

Cold Start Mode will start the vehicle at a user selectable start interval or temperature setting. The vehicle can be set to start once every 1, 2, 3 or 4 hours in Timer Mode or to start at 0,-5,-15 or -25 Celsius in Temperature Mode **(LT Models Only)** for a maximum 12 starts. The vehicle will start at the selected start interval/ temperature and run for the programmed runtime (Normally 15min). Cold Start Mode must be set each time the user wishes to Use this feature.

Example- Timer Mode. If the 4 hour start cycle was selected, the vehicle will start once every 4 hours and run for the programmed runtime then turn off. This setting will keep the vehicle in Cold Start Mode for up to 2 days before deactivating.



Example- Temp Mode (LT models only). If the -15 Celsius start cycle was selected, the system will monitor the temperature until it falls below -15, at this time the remote starter will activate for the programmed runtime. The system will then wait 2 hours before checking the temperature again.

To Enter Cold Start Mode.

Method 1- Press and release button #4, then press and hold button #3 for 6 seconds or until park lights turn on.

Method 2 - Press and hold buttons #1 and #3 at the same time for 3 seconds. The park lights will turn on.

While the park lights are on the start cycle can be selected.

1 hour or 0C	**Press Button #1**	**1 Park light flash**
2 hour or -5C	**Press Button #2**	**2 Park light flashes**
3 hour or -15C	**Press Button #3**	**3 Park light flashes**
4 hour or -25C	**Press Button #4**	**4 Park light flashes**

Note: *The optional Low Temp sensor must be installed for the temperature settings to be available. (LT Models only)*

To Cancel Cold Start Mode

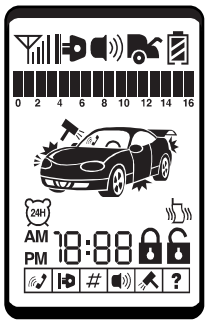
Method 1- Press and release button #4, then press and hold button #3 for six seconds.

Method 2- Press and hold buttons #1 and #3 at the same time for 3 seconds.

Note: Stepping on the brake or turning on the ignition will cancel Cold Start. cancellation of Cold Start Mode will be confirmed with two park light flashes and two siren chirps.

*******Never remote start or set the Cold Start Mode if the vehicle is parked in a Garage or Attached Carport!**

LCD DISPLAY



STATUS CHECK MODE This feature is used to check the status of the alarm system or the remote starter.

1. To check the status press and release Button #4 on the remote transmitter.
2. The remote will display the icons of the active features on the LCD screen.

STATUS ICONS These icons are located at the top of the LCD screen.

ANTENNA ICON- This icon will be visible on the LCD whenever the remote is within transmitting range of the vehicle. The icon will disappear when the remote leaves that transmitting range.

TELEPHONE ICON- When the vehicle starts in Timer Mode, this icon will appear in conjunction with the usual icons that indicate that the vehicle is running by the remote starter.

KEY ICON- This icon will begin to flash when the remote starter button is first pressed. After the vehicle has started this icon will stay on solid. The wheels on the car will begin to rotate.

HORN ICON- This icon indicates that the alarm has been triggered. The remote will start to beep and the siren icon will come on solid at the same time as the icon for the violated zone. The remote will stop beeping after one minute. Both icons will continue to flash until the system is disarmed.

TRUNK ICON- This icon will be displayed on the LCD screen when the trunk release output is activated by the remote transmitter. This icon will be displayed on the screen until the system is armed or if the status button is pressed

BATTERY ICON- This icon is always present when the LCD screen. This icon will indicate the current battery level for the remote transmitter. The black area of the icon will disappear as the battery level decreases.

RUN TIMER- This icon activates during remote starting. The bar graph will count down in 2 minute increments, indicating how much time is left on the remote starter's runtime.

Setting The Digital Clock

To Enter Clock Adjust Mode

Press and hold buttons #1 and #4 until the minute portion of the clock located on the LCD begins to flash

.

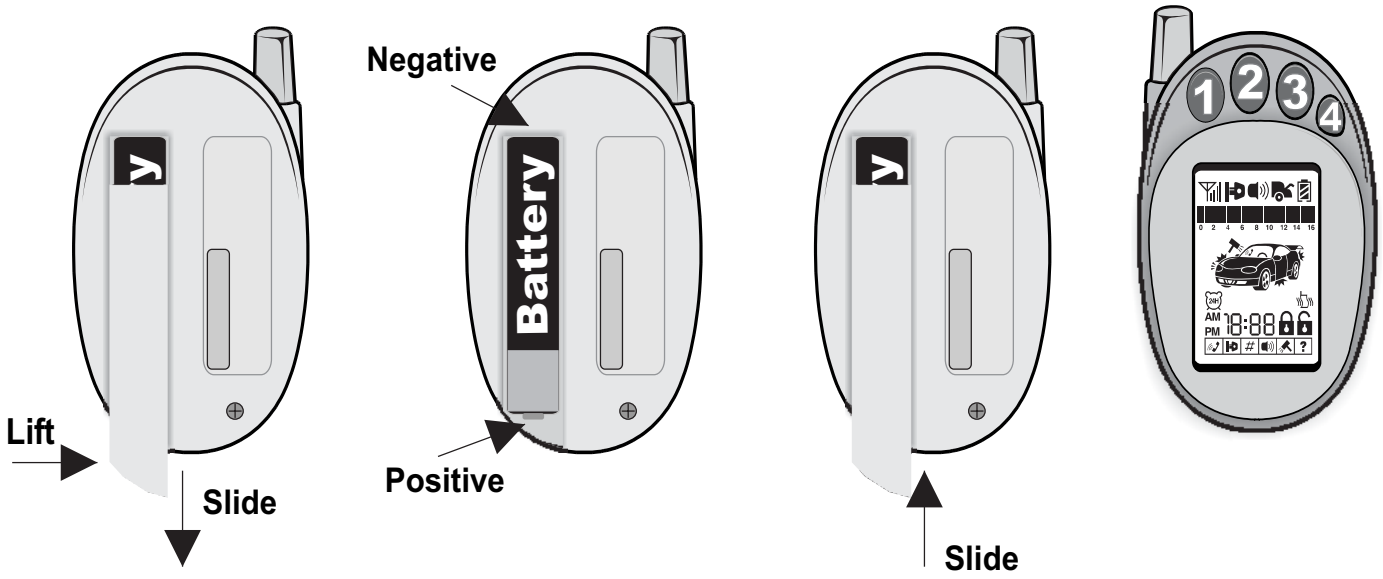
To Adjust The Time of day

To set the minute, press and release button #3 to increase the minute or press button #2 to decrease the minute. To set the hour, press and release button #1 and the hour portion of the clock will begin to flash. To set the hour, press and release button #3 to increase the hour and button #2 to decrease the hour. To set the AM/ PM icon, continue changing the hour until the appropriate icon is displayed.

Note: The remote will exit clock adjust if there is no activity for 20 seconds.

Battery Replacement

When the Battery Icon on the remote transmitter indicates that the battery is low the battery should be changed promptly. Replace with a quality 1.5volt "AAA" battery.



Note- Avoid reinstalling the battery in the wrong direction

Service Mode

ATTENTION: TO AVOID SERIOUS INJURY, this remote start system must be set into Service Mode before any under hood servicing is started. Service Mode will prevent the vehicle from starting while the vehicle is being serviced. It is the sole responsibility of the vehicle's owner to place the system into Service Mode. The manufacture accepts no responsibility for accidental starting of the vehicle while the vehicle is being serviced.

System Service Mode(Valet) - By Remote

This feature will disable the system from the remote transmitter. This feature must be used when having the vehicle serviced. (Oil change, Tune-up etc.)

ACTIVATE Service Mode
Press and release then press and hold button #4 for 5 seconds.
The park lights will flash and the siren will chip 5 times to confirm that the system has entered Service Mode.

Note: Remote starter functions will be disabled and the LEDs will be "on" steady. The door locks and the trunk release will still be operational.

DEACTIVATE Service Mode
Press and release then press and hold button #4 for 5 seconds.
The park lights will flash and the siren will chip 2 times to confirm that the system has exited Service Mode.

Note: Remote starter functions will be disabled and the LEDs will be "on" steady. The door locks and the trunk release will still be operational.

Emergency Service Mode - (Valet)

This feature will disable the system except for locking and unlock functions.
This mode can also used if a remote is lost, damaged or if the system malfunctions.

ENTERING SERVICE MODE

1.Turn the ignition key to the "On" position then press and hold the Program Button on the antenna for 5 seconds or until siren chirps **5 times.**

EXITING SERVICE MODE

1.Turn the ignition key to the "On" position then press and hold the Program Button for 5 seconds or until the siren chirps **2 times.**

Note: Remote starter functions will be disabled and the LED will be "on" steady. The door locks and the trunk release will still be operational.

Diagnostics/ Diagnostics Chart

If the remote starter does not activate when the start button is pressed the park lights will flash a diagnostic to indicate what shutdown input has been triggered.

Example *when the start button is pressed the park lights flash 3 times slowly. Looking at the chart below this would indicate that the system is in Service Mode.*

Park Lights	Status LEDs	Diagnostic Code
3 Flashes	Series of 3 Flashes	Door Opened "M" Models
3 Slow Flashes	Solid	System is in Service Mode
4 Slow Flashes	Series of 4 Flashes	Not in Reservation Mode "M" units
5 Flashes	Series of 5 Flashes	Hood Pin Opened
5 Slow Flashes	Series of 5 Flashes	Ignition On During Start Attempt
6 Flashes	Series of 6 Flashes	Brake Pedal Shutdown
7 Flashes	Series of 7 Flashes	Tach Lock-Out

DIAGNOSTIC MEMORY

LED Flashes	Diagnostic
5 Flashes	The system was shutdown by the hood pin input
6 Flashes	The system was shutdown by the brake switch input
7 Flashes	The system did not detect the tach signal
8 Flashes	The system made 3 start attempts without starting

Being that the installer does not always see when the system shuts down or fails to start, Diagnostic Memory will store in memory up to four shutdown codes. This information can then be accessed to determine the source of the shutdown.

To Enter Diagnostic Mode:

Step 1 - Turn the ignition on then off. Press the Program Button and release.

Step 2 - The system will respond with three park light flashes and the siren will chirp the same number of times as the events in memory. (Maximum 4 events, 4 chirps).

NOTE: *If the siren does not chirp, there are no events in memory.*

Step 3 - Press the Program Button once to view the last shut down code. The siren will chirp once to confirm code one. (If the siren does not chirp, there are no codes in memory.)

Step 4 - The LEDs on the antenna will flash a code corresponding to a shut down trigger. Press the Program Button again to check the second code. The siren will chirp twice to confirm code two.

Step 5 - To **Clear Diagnostic Memory.** While in Diagnostic Mode press and hold the Program Button for five seconds. The park lights will flash and the siren will chirp once.

NOTE: *Once diagnostic memory has 4 shutdown events in memory, the system will not Record any further shutdown events until the system memory has been cleared.*

Limited Lifetime Warranty

The manufacturer warrants to the original purchaser of their remote starters and alarms, that the product shall be free from defects in material and workmanship. However, should this product be proven to be defective, within a two year period from the original date of purchase, the manufacturer will, without charge to the purchaser (excluding any charges incurred to have the product delivered to the manufacturer), repair or replace any part of the remote starter and/or alarm which the manufacturer agrees to be defective. After the initial 2 year period the manufacture shall repair or replace defective products with a nominal processing fee of $30.00 USD. All warranties apply to the original purchaser and the vehicle in which it was originally installed ONLY. Repairs or replacement of defective modules shall remain at the discretion of the manufacturer. All other parts, components, accessories and/or optional equipment pertaining to the remote starter and alarm are not included in the manufacturer's warranty.
This warranty is non-transferable. Request for warranty service from any Factory Authorized Dealer **must be accompanied with the original purchase receipt or have product registered by authorized dealer on manufacturer's website**.
Failure to comply with any of these conditions may result in warranty being voided.
This warranty does not cover the following: removal and reinstall labor charges, shipping charges, abuse, misuse, or accidental damages to the remote starter and alarm, automobile, and/or parts there of. This warranty is void upon modification, repairs, or alterations of any part of the product. The manufacturer does not guarantee or insure against theft of the vehicle or its contents. Alarm models are designed only to act as a deterrent against possible theft. This alarm may qualify for auto insurance discounts, contact your Insurance Agent for further information . The manufacturer shall not be held liable for any consequential damages due to breach of this or any other warranty, expressed, or implied. This warranty gives you specific legal rights. Your specific legal rights may vary for each region.
CERTAIN DAMAGES EXCLUDED - The manufacturer expressly disclaims any liability or responsibility for incidental damages caused by the product, including economic loss, loss of use of the product, car rentals, or any other costs relating to the care and custody of the product. The manufacturer disclaims liability or responsibility for any consequential damages caused by the product or resulting from its use, including the cost of repairing or replacing other property damaged by the product or caused by its use, whether or not the product is working properly. The product is intended to deter unauthorized use of the vehicles in which it is installed. The manufacturer does not warrant that the product is fool-safe against theft and/or vandalism and/or human error or misuse. The manufacturer accepts no liability or responsibility for any damage of any kind whatsoever caused to any vehicle in which the product is installed or any resulting damage from its use. The manufacturer accepts no responsibility or liability for any damage resulting to or theft of the vehicle or its contents, caused or alleged to be caused, directly or indirectly, by failure of the product.
MANUAL TRANSMISSION STARTERS the installation of a remote starter MUST only be done with a specified manual transmission starter. It is the sole responsibility of the vehicles operator to insure that the vehicle is left with the transmission in neutral position when the remote starter is in use. The manual transmission starter is designed to be an added measure of safety ONLY! The manufacturer does not guarantee or insure against any damages or loss of life that could result in the event of a remote starter starting while the vehicle is in gear. Manual transmission models are designed only to act as a deterrent against the vehicle starting in gear, this is the vehicle's owner's and operator's responsibility.